OOK

Depth 6	Contents 7	Reference to last Measurement 8

Final bill

Recorded on:- 27.07.2016

M. A. R. 57 (Rule 116)

Measurement Book

No. B

Work Code:- 006-15-000044

BR-44/31-8-16

Work order No:- BBMP/EE/BTP/W.O/15/2015-2016, Date 30/04/2016

Serial No. 2622281

Name of Work ... Improvements to Roads and drains at Sarayipalya Layout in ward No.-06 Byatarayanapura Sub division.

Name of Contractor of nature of Agency ... NITHIN.R. No-58, munneshwara Layout 5th Cross, Bangalore

Date of commencement of work ... Estimate Rs=20.00 Lakhs

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(1) KSRB 2-2-1: Earth work excavation for foundation of buildings & Culverts, water Supply, Sanitary line and electrical Conduits either in pits or in trenches 1.5m and above in width in hard soil not exceeding 1.5m. in depth including cleaning the bottom and sides of pits & trenches. Stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods Complete as per Specifications.						
	Quantity vide AR as per pre-measurements recorded in this ones and page no of:- 262290-262292:					422.21 m^3	
						109774.60	
	@ RS. 260.00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Providing granite slabs of selected quality roughly dressed and fixed in Cement mortar (1:6) including fixing curing etc Complete - do - 7.5 Cms Thick as per Specifications and directions of the engineer incharge of the work.						
	Left side of the drain:	1×1	9.00	1.65	-	29.70	
		1×1	26.10	1.65	-	86.13	
	C/F	1×1	24.50	1.65	-	80.85	
		1×1	17.60	1.65	-	58.08	
		1×1	2.50	1.65	-	8.25	
	Right side of the drain:	1×1	30.00	1.65	-	99.00	
	C/F	1×1	10.00	1.65	-	33.00	
		1×1	15.00	1.65	-	49.50	
		1×1	10.60	1.65	-	34.98	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	C/F	1×1
		1×1
		1×1
		1×1
	Ganesh Temple Gokul Road: -	1×1
	(HS) R/S: -	1×1
	Limited to	

OK

Depth 6	Contents 7	Reference to last Measurement 8
ity roughly dressed wood		
ing fixing curing c/c		
ifications and directions		
	29.70	
	86.13	
	80.85	
	58.08	
	8.25	
	99.00	
	33.00	
	47.50	
	34.98	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 262229

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C/F	1×1	15.00	1.65	-	49.50	
		1×1	9.70	1.65	-	32.01	
		1×1	23.00	1.65	-	75.90	
		1×1	23.00	1.65	-	75.90	
	Ganesh Temple Cross Road:- (RS)	1×1	24.20	1.65	-	79.86	
	R/S:-	1×1	24.20	1.65	-	79.86	
						872.52 m²	
	Limited to Schedule 'B' Quantity:-					848.10 m²	
						@Rs. 647.00	548720.70

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	③ KSRB-4-1.3: Providing and laying in position plain Cement Concrete of mix on 1:4:8 with opc Cement at 180 Kgs. with 40mm and down Size graded granite metal Coarse aggregate @0.892 Cum & fine aggregate @0.57 Cum machine mixed, Concrete laid in layers not exceeding 150mm Thick, well Compacted in foundation and plinth including Cost of all materials, labours, Hire of machinery Curing Complete as per specifications. Quantity vide AR per pre-measurement recorded in this MB and page no of:- 262292-93:- 19.01 m³ @RS. 5060.00						96190.60
	④ KSRB 5.2.3 Providing and Constructing granite/trap/basalt Size Stone masonry in foundation with Cement mortar 1:6,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	Stone hammered dress Stones at two m. apart: labour. Curing Complete	
	1st Gross :-	1x
		1x
	2nd Gross :-	1x
		1x
	3rd Gross :-	1x
		1x

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ition plain cement Concrete		
20 Kgs. with 40mm and down		
ggregates @ 0.892 Cum &		
mixed, Concrete laid in		
ell Compacted. in foundation		
ll materials, labours,		
s per Specifications.		
measure recorded		
-93:- 19.01 m³		96190.60
RS. 5060.00		
ng granite/trap/basalt		
with Cement mortar 1:6,		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262230

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Stone hammered dressed in Courses not less than 20 cms high. bond stones at two m. apart in each course including Cost of materials, labour, curing Complete as per Specifications.						
	1st Gross :	1×2	6.50	0.60	0.45	3.51	
		1×2	6.10	0.60	0.45	3.29	
	2nd Gross :	1×2	6.10	0.60	0.45	3.29	
	Cancelled	1×2	5.10	0.60	0.45	2.75	
	3rd Gross :-	1×2	6.00	0.60	0.45	3.24	
		1×2	5.30	0.60	0.45	2.86	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4th Floor :-	1×2	5.40	0.60	0.45	2.92	
		1×2	6.30	0.60	0.45	3.40	
	5th Floor :-	1×2	5.20	0.60	0.45	2.81	
		1×2	5.90	0.60	0.45	3.19	
						31.27 m³	
	Limited to schedule quantity :-					21.06 m³	86,346.00
					@ Rs.	4100.00	
	⑤ KSRB 5.3-3 Providing and Constructing granite/trap/basalt						
	Size stone masonary in basement with Cement mortar 1:6,						
	edges of stones chiselled dressed in courses not less than 15cm						
	high, bond stones at two mm. apart in each course including						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nur
1	2	
	Cost of materials, labour	
	1st Floor :-	1×
		1×
	2nd Floor :-	1×
		1×
	3rd Floor :-	1×
		1×
	4th Floor :-	1×
		1×
	5th Floor :-	1×
		1

	Contents	Reference to last Measurement
	7	8
	2.92	
	3.40	
	2.81	
	3.19	
	31.27 m3	
	ty: -21.06 m3	86346.00
	4100.00	
	granite/trap/basalt	
	Cement mortar 1:6	
	not less than 15cm	
	curle including	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262231

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of materials, labour cutting complete as per specifications.						
	1st Gorge:-	1	6.50	0.60	0.50	3.90	
		1	6.10	0.60	0.50	3.66	
	2nd Gorge:-	1	6.10	0.60	0.50	3.66	
		1	5.10	0.60	0.50	3.06	
	3rd Gorge:-	1	6.00	0.60	0.50	3.60	
		1	5.30	0.60	0.50	3.18	
	4th Gorge:-	1	5.40	0.60	0.50	3.24	
		1	6.30	0.60	0.50	3.78	
	5th Gorge:-	1	5.20	0.60	0.50	3.12	
		1	5.90	0.60	0.50	3.54	
						34.74 m3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Limited to schedule B Qty :-					29.25 m³ @ Rs. 4850.00	141,862.50
	⑥ KSRB 4-6.7: Providing and removing Centering & shuttering Struting. propping etc. and removal of formwork for sides and soffits of beams, beams haunchings, Cantilever girders breastsummers and lintels not exceeding 1m in depth including Cost of all materials, labour Complete as per Specification.						
	Quantity vide, As per pre-measurement are recorded in this MB and Page no of: 262294-95:					76.49 m² @ Rs. 250.00	19122.50

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	⑦ KSRB 4-1.7: Providi of mix 1:3:6 wit graded granite gates @ 0.56 cum ing 15cm thick. -ding Cost of all -lete as per speci Coping Concrete:- I 2nd

OOK

Depth 6	Contents 7	Reference to last Measurement 8
: -	29.25 m3	
@ Rs. 4850.00		1,41,862.50
Centering & shuttering of formwork for sides gs. Cantilever girders g 1m in depth includ lete as per Specifica		
ontare recorded		
95:	76.49 m2	
RS. 250.00		19122.50

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262232

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(7)	KSRB 4-1.7: Providing and laying in position plain Cement Concrete of mix 1:3:6 with opc Cement @ 220 kgs with 20mm and down size graded granite metal Coarse aggregates @ 0.84 Cum and fine aggregates @ 0.56 Cum machine mixed Concrete laid in layers not exceeding 15cms thick, well Compacted in foundation and plinth, including Cost of all materials, labour, Hire of machinery, Curing Complete as per specifications.						
	Coping Concrete:- 1st Floor:	1 X 2	6.50	0.60	0.10	0.78	
		1 X 2	6.10	0.60	0.10	0.73	
	2nd Floor:	1 X 2	6.10	0.60	0.10	0.73	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3rd Gross :	1×2	5.10	0.60	0.10	0.61	
		1×2	6.00	0.60	0.10	0.72	
		1×2	5.30	0.60	0.10	0.64	
	4th Gross :	1×2	5.40	0.60	0.10	0.65	
		1×2	6.30	0.60	0.10	0.76	
	5th Gross :	1×2	5.20	0.60	0.10	0.62	
		1×2	5.90	0.60	0.10	0.71	
	Cut Concrete : 1st Gross	1×1	6.50	0.60	0.10	0.39	
		1×1	6.10	0.60	0.10	0.37	
	2nd Gross :	1×1	6.10	0.60	0.10	0.37	
		1×1	5.10	0.60	0.10	0.31	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	3rd Gro
	4th Gr
	5th Gr
	Limited to Sch
	(8) KSRB 15.1.3 Pro with Cement

Contents 7	Reference to last Measurement 8
0.61	
0.72	
0.64	
0.65	
0.76	
0.62	
0.71	
.39	
.37	
37	
31	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 262233

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3rd Gross	1x1	6.00	0.60	0.10	0.36	
		1x1	5.30	0.60	0.10	0.32	
	4th Gross	1x1	5.40	0.60	0.10	0.32	
		1x1	6.30	0.60	0.10	0.38	
	5th Gross	1x1	5.20	0.60	0.10	0.31	
		1x1	5.90	0.60	0.10	0.35	
						10.42 m³	53,040.00
	Limited to Schedule 'B' Quantity:- 10.40 m³ @ Rs. 5100.00						
	(8) KSRB 15.1.3 Providing flush pointing to Courled stone masonary with Cement mortar 1:3. 20mm deep, after making joints to depth						

OK

epth 6	Contents 7	Reference to last Measurement 8
ortare recorded 3:- 182.00 m3 Rs. 1700.00		3,09,400.00
primmer coat from for surfaces of over prepared th on C-70 or any per 10 Sqm heated excluding cleaning materials, labour, ifications.		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 262236

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Quantity vide AB per pre-encashment ortare recorded in this MB and page no of:- 262299-262300: 910.00 m2 @Rs. 70.00						63,700.00
(13)	KSRRB cl500-18 Providing and laying Semi dense bituminous Concrete 25mm Thick with 100-120 TPH batch type Hmp producing an average out put of 75 Tonnes per hour using Crushed aggregates of Specified grading premixed with bituminous binder at 4.5to5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with Screed Control to be required						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	grade, level and alignment, rolling with smooth wheeled vibratory and tandem roller to achieve the desired Compaction as per MoRTH Specifications clause no 500.8 Complete as Per Specifications.						
	Vidya Sagara Layout main Road	1	15.00	$\frac{4.70+4.80}{2}$	x 0.025	1.78	
		1	15.00	$\frac{4.80+4.80}{2}$	x 0.025	1.80	
		1	15.00	$\frac{4.80+4.80}{2}$	x 0.025	1.80	
		1	15.00	$\frac{4.80+4.80}{2}$	x 0.025	1.80	
		1	15.00	$\frac{4.80+4.90}{2}$	x 0.025	1.82	
		1	15.00	$\frac{4.90+4.90}{2}$	x 0.025	1.84	
		1	15.00	$\frac{4.90+4.60}{2}$	x 0.025	1.78	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2

OK

Depth 6	Contents 7	Reference to last Measurement 8
...ng with 8 smooth wheeled ...hieve the desired Compn ...le No 500.8 Complete as		
...0.025	1.78	
...0.025	1.80	
...0.025	1.80	
...025	1.80	
...025	1.82	
...025	1.84	
...025	1.78	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

262237

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C & FC. ₹. 30/8 ಪ.ಪಿ. (ಪ್ರ.ಪ) Cafe	1	15.00	$\frac{4.60+4.70}{2}$	×0.025	1.74	
		1	15.00	$\frac{4.70+4.40}{2}$	×0.025	1.71	
		1	15.00	$\frac{4.40+4.50}{2}$	×0.025	1.67	
		1	15.00	$\frac{4.60+4.50}{2}$	×0.025	1.69	
		1	19.30	$\frac{4.50+5.00}{2}$	×0.025	2.29	
		1	8.90	$\frac{5.00+4.80}{2}$	×0.025	1.09	
						22.81 m³	
	Limited to schedule 'B' Quantity:					22.75 m³	
	@Rs. 9200.00						2,09,300.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(14) Lead for disposal of debrics shall be payable at carriage rates by mechanical means including loading and unloading from 0.00 to 2.00 kms as per specifications. C&FC Mlaveli 27/7/2016 Quantity vide item No: (1) :- 422.81 m³ @ RS. 66.41						28038.96
	27.7.2016						
	Total bill Amount RS = 19,23,712.86						
	19,23,709/-						
	CERTIFICATE :-						
	(1) Certified that the above work done is satisfactorily completed.						
	(2) Certified that the Agency has cleared the debrics from the work spot.						
	27.7.2016						
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ.ಬ.ಪ.ಪಾ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ						
	Mlaveli 27/7/2016 Assistant Executive Engineer Byatarayanapura Sub Division B.B.M.P. Bangalore						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	To Bharda Ward No: 06
	27

OK

Depth 6	Contents 7	Reference to last Measurement 8
		ble at Carriage rates ding and un loading ification.
		0: ① :- 422.81 m³ 28038.96
		Rs. 66.41
		mount Rs: 1923712.86 1923709/-
		atisfactorily Completed.
		ne debris from the

27/7/2016
Executive Engineer
Sub Division
Bangalore

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

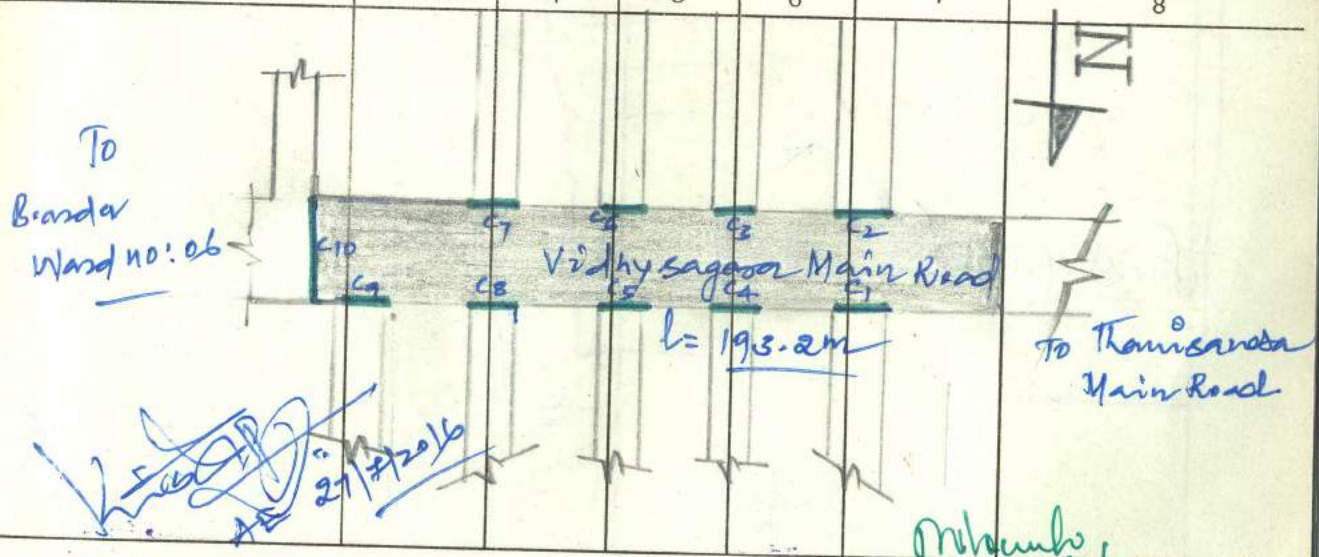
Name of Work ..... From..... To.....

262238

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	To Basavanagudi Ward No: 06						To Thanisandra Main Road



27/7/2016

Assistant Executive Engineer
Byatarayanapura Sub Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

19,23,709=00

16131 7=00

17,62,352=00

H.V.

I.T — 19237 —

VAT — 76948 —

Cess — 19237 —

CRF — 1924 —

Roy — 43931 =

Total — 1613 17=0

28/9

M. A.
Mea

Serial No. .....

Name of Work ..... From

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3